

Title (en)
Borehole logging tool.

Title (de)
Bohrlochmessgerät.

Title (fr)
Outil de mesure pour trous de forage.

Publication
EP 0683304 A3 19970806 (EN)

Application
EP 95302853 A 19950427

Priority
US 24684294 A 19940520

Abstract (en)
[origin: EP0683304A2] A production logging tool is provided for use within a well to determine fluid holdup of a multiphase fluid flow within the well. The production logging tool includes a plurality of sensors 33 secured within a plurality of arms 31 which radially extend from a tool housing to points distal from the tool housing. A plurality of sensors 33 are included within the plurality of arms 31 for detecting variations in fluid properties attributable to different flow constituents of the multiphase fluid flow along a path which circumscribes an exterior of the tool housing. The plurality of arms 31 are rotated about the tool housing for moving these sensors 33 through the path in order to ensure that the volumetric proportions of the different flow constituents of the multiphase fluid flow are accurately detected in highly deviated and in horizontal wells. <IMAGE>

IPC 1-7
E21B 49/08

IPC 8 full level
E21B 17/10 (2006.01); **E21B 47/10** (2012.01); **G01F 1/66** (2006.01); **G01F 1/74** (2006.01); **G01F 23/24** (2006.01); **G01N 33/28** (2006.01)

CPC (source: EP US)
E21B 17/1021 (2013.01 - EP US); **E21B 47/103** (2020.05 - EP US); **E21B 47/107** (2020.05 - EP US); **E21B 47/113** (2020.05 - EP US); **G01F 1/663** (2013.01 - EP US); **G01F 1/74** (2013.01 - EP US); **G01F 23/24** (2013.01 - EP US); **G01F 23/245** (2013.01 - EP US); **G01N 33/2823** (2013.01 - EP US)

Citation (search report)
[XA] US 5251479 A 19931012 - SIEGFRIED II ROBERT W [US], et al

Cited by
CN106593433A; CN106499387A; US11542764B2; US5610331A; GB2301675B; FR2761111A1; CN1114751C; EP0866213A3; US10908007B1; US6176129B1; WO2021034877A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0683304 A2 19951122; **EP 0683304 A3 19970806**; **EP 0683304 B1 20010808**; CA 2147311 A1 19951121; CA 2147311 C 20010529; DE 69522041 D1 20010913; NO 951412 D0 19950411; NO 951412 L 19951121; US 5531112 A 19960702

DOCDB simple family (application)
EP 95302853 A 19950427; CA 2147311 A 19950419; DE 69522041 T 19950427; NO 951412 A 19950411; US 24684294 A 19940520